

THE MOTHS OF INDIA.

SUPPLEMENTARY PAPER TO THE VOLUMES IN
"THE FAUNA OF BRITISH INDIA."

PART III.

BY SIR G. F. HAMPSON, BART., F.Z.S., F.E.S.

(Continued from page 462 of this Vol.)

2810a. BLEPTINA MIMICA, n. sp.

♂. Antennæ bipectinate ; forewing with vein 10 given off beyond the areole. Differs from *B. hadenalis* in the structure of the antennæ only.

Habitat.—Sikbim. *Exp.* 34 mm. *Type.*—In British Museum.

2815. *BLEPTINA OCHRACEALIS* trans. ad. *NODARIA* after *EXTERNALIS*.

♂ with the ground-colour grey-brown.

2817a. BLEPTINA FIGURATA, n. sp.

♂. Head and thorax black-brown ; palpi largely ochreous ; abdomen fuscous, pale at base and middle and banded with black. Forewing with the basal and outer areas black, the medial area ochreous-brown ; fine ante- and post-medial black lines, parallel to the margins of ochreous area, the former nearly evenly curved, the latter dentate outwards below costa, very strongly dentate on veins 3 and 4, then incurved to below angle of cell ; a black spot in cell and discocellular lunule with white lunule beyond it and slight black suffusion before it ; an indistinct waved submarginal line with ochreous striga at costa ; a marginal series of black lunules. Hindwing fuscous with traces of medial and submarginal lines, a marginal series of black lunules and pale patch at anal angle ; underside with black spots in, at end of, and beyond cell, and crenulate postmedial and submarginal lines.

Habitat.—Khásis. *Exp.* 32 mm. *Type.*—In British Museum.

2819a. BLEPTINA IMPURALIS, n. sp.

Palpi of male recurved over head, the third joint tufted with hair ; fore tibiæ with a sheath ; forewing with the costal fold narrow. Head and thorax reddish-brown ; tufts on palpi blackish ; abdomen fuscous. Forewing rufous with a fuscous tinge to the postmedial line, the outer area fuscous, indistinct waved antemedial, medial, and post-medial lines, the last excurved round the cell ; a white speck with black scales round it in cell ; reniform whitish with black outline and

centre ; an irregularly waved whitish submarginal line ; a marginal series of black points. Hindwing blackish, with indistinct sinuous medial line defined by whitish ; a crenulate submarginal white line ; a marginal series of black points ; underside with black point in cell and discocellular lunule ; crenulate postmedial and submarginal lines defined by whitish.

Habitat.—Sikhim (Dudgeon) ; Khàsis. *Type.*—In British Museum.

2831a. *MASTIGOPHORUS PICTICILIA*, n. sp.

♀. Head and thorax yellow-brown ; abdomen darker ; base of palpi, thorax and abdomen below, fiery-red. Forewing olive yellow-brown, irrorated with dark scales ; costa fiery-red ; waved subbasal and ante-medial red lines ; a pale speck in cell and large obscure pale reniform stigma, often with two black specks on it ; two sinuous postmedial brownish lines with a more or less developed pale-edged deep black lunule on them below vein 2 ; an irregularly sinuous submarginal line. Hindwing fuscous, the anal area yellow-brown, irrorated with fuscous ; both wings with the veins of outer area streaked with fiery-red ; a marginal series of black specks ; cilia fuscous at base, crimson at tips.

Habitat.—Khàsis. *Exp.* 54 mm. *Type.*—In British Museum.

2833a. *MASTIGOPHOROUS PERDENTALIS*, n. sp.

♂. Head and thorax black-brown, palpi fringed with ochreous hair on third joint ; abdomen fuscous-black. Forewing dull purplish, the costal and outer areas fuscous, a black point near base of cell ; traces of an erect antemedial line bent inwards to costa ; a large deep black discoidal lunule, squarely truncate at top, defined by a brown line and extending just below angle of cell ; a highly dentate postmedial black line, defined by grey, oblique from costa to vein 4, then incurved ; a grey submarginal line, straight from costa to vein 6, strongly angled inwards above vein 5, then excurved, and from vein 2 to inner margin dentate. Hindwing fuscous with indistinct black discoidal lunules ; a medial line oblique to vein 4, then dentate ; indistinct submarginal dentate line ; both wings with marginal series of black lunules and pale line at base of cilia. Underside grey irrorated with black ; forewing with black spot in cell and curved postmedial line ; hindwing with spot in cell, discocellular lunule and dentate postmedial and submarginal lines.

Habitat.—Khàsis. *Exp.* 36 mm. *Type.*—In British Museum.

2835. *MASTIGOPHORUS* (?) *DUBIUS* is a *HYPENA* allied to 2942, *H. DENTICULATA*, *Moore*.

Genus *TRILOPHONOTA*, nov.

Type.—*T. CÆRULILINEATA*, *Hampson*.

Range.—Assam.

Palpi upturned, the second joint thickly scaled and reaching above vertex of head, the third short and blunt; antennæ ciliated; abdomen with three large dorsal tufts. Forewing with the outer margin evenly curved; vein 7 from angle of cell; 8-9-10 stalked. Hindwing with vein 5 from close to lower angle of cell; 6-7 from upper angle.

2839a. *TRILOPHONOTA CÆRULILINEATA*, n. sp.

♂. Black-brown. Forewing with waved metallic-blue subbasal ante- and post-medial lines, the last excurved round cell, diffused sinuous subbasal, medial and submarginal blacker bands, the last angled below costa and at middle;



Trilophonota cærulilineata ♂ 1. a black spot in cell and two white discocellular spots; a marginal series of black specks. Hindwing pale, slightly or deeply suffused with fuscous; a marginal series of black specks; underside with discocellular spot and curved post-medial line.

Habitat.—Khâsis. *Exp.* 20 mm. *Type*.—In British Museum.

2840c. *FALCIMALA SAGITTIFERA*, n. sp. (Pl. A, Fig. 5).

♀. Fuscous and grey. Forewing with the basal half suffused with purplish-red; two black marks on basal part of costa, the second giving rise to a sinuous grey line with some dark scales on its outer edge, the purplish area bounded by a sinuous black and grey line with a fuscous line parallel to its inner edge; outer area grey-brown, with a V-shaped black mark beyond the cell in a sinus of the very indistinct postmedial line; some white specks on costa towards apex; an irregularly dentate pale submarginal line with blackish mark on its inner edge below costa, angled inwards above vein 3, and with the area beyond it fuscous; a marginal series of black points. Hindwing fuscous.

Habitat.—Sikhim, 1,800 feet (Dudgeon). *Exp.* 22 mm. *Type*.—
Museum.

2854a. NODARIA PLANILINEA, n. sp.

Differs from *N. erecta* in being grey-brown. Forewing with the antemedial line slightly curved, not angled below costa; the discocellular lunule larger; the postmedial line more excurved beyond cell and less oblique towards inner margin. Hindwing with the ground-colour grey-brown.

Habitat.—Sikhim; Khásis. *Exp.* ♂ 30; ♀ 34 mm. *Type.*—In British Museum.

2866a. NODARIA MACULIPEX, n. sp.

♂. Grey-brown. Forewing with irregularly wavy antemedial line; a discocellular lunule; the postmedial line oblique and stronger from costa to vein 6, then crenulate and slightly bent inwards at vein 2; a white submarginal line slightly incurved at costa; defined by blackish on inner side, the area beyond it whitish, suffused with fuscous, with a prominent black apical spot; a fine black marginal line. Hindwing with discocellular lunule and wavy medial line; the marginal area as on forewing, but terminating on the margin at vein 2, and with no apical spot.

Habitat.—Khásis. *Exp.* 22 mm. *Type.*—In British Museum.

2868a. NODARIA SIMPLEX, n. sp.

Antennæ of male slightly knotted and contorted at middle; fore tibiæ with the sheath covering the first joint of tarsus only. Pale, suffused with yellowish-brown and slightly tinged with fuscous. Forewing with curved antemedial line; a large, very prominent black discocellular lunule; the postmedial line oblique from costa to beyond cell, when it is obtusely angled, erect from vein 2 to inner margin; an irregularly sinuous whitish submarginal line with fuscous suffusion on its inner edge and angled outwards below costa and at middle; a marginal series of black points. Hindwing paler, with indistinct antemedial, medial and wavy postmedial lines, the last with blackish spot above anal angle; a marginal black line; underside with prominent discocellular lunule and wavy medial and postmedial lines.

Habitat.—Khásis. *Exp.* 24 mm. *Type.*—In British Museum.

2869a. NODARIA PERUMBROSA, n. sp.

Black-brown. Forewing with wavy antemedial line defined by brown; reniform large and dull brown; an irregularly sinuous post-

medial line defined by brown and excurved below costa and lower angle of cell; an indistinct sinuous pale submarginal line excurved below costa, and with a pale patch on it above middle; a marginal series of black lunules. Hindwing and abdomen fuscous; underside with discocellular lunule and indistinct medial and submarginal lines.

Habitat.—Khásis. *Exp.* 36 mm. *Type.*—In British Museum.

2873a. NODARIA PERDENTALIS, n. sp.

♂. Antennæ of male strongly knotted at middle. Ochreous-brown irrorated with fuscous. Forewing with indistinct very highly crenulate antemedial line; two indistinct discocellular specks; a broad straight fuscous submarginal line arising from a black spot at apex; a fine black marginal line and two lines through the cilia. Hindwing paler, with ochreous-brown and black irroration below vein 2; an indistinct discocellular speck; postmedial and submarginal lines angled on vein 2 and obsolete towards costa, the latter broad and prominent; a black marginal line.

Habitat.—Khásis. *Exp.* 38 mm. *Type.*—In British Museum.

2875b. CATADA POSTMEDIA, n. sp.

Differs from *C. rasalis* in the second line of the forewing being medial, erect, and slightly excurved at middle to near the discocellular black lunule, which is placed beyond it, instead of oblique from costa and strongly bent outwards round the lunule; the area before the medial lines slightly suffused with fuscous. Hindwing whitish, with discocellular lunule and medial line angled outwards beyond it; a submarginal line ending on margin at vein 2, and marginal line as in *C. rasalis*.

Habitat.—Ceylon (Green). *Exp.* 12 mm. *Type.*—In British Museum.

C. rasalis is known from Dharmasála, Bhután, Khásis; not Ceylon.

2875c. CATADA UMBROSA, n. sp.

Differs from *C. postmedia* in the forewing being more uniform brownish, with the irregular submarginal line defined outwardly by whitish. Hindwing fuscous without markings; cilia greyish.

Habitat.—Dharmasála (Hocking); Ceylon (Green). *Exp.* ♂ 20; ♀ 22 mm.

2875d. CATADA TAU-SIGNA, n. sp.

♂. Differs from *C. umbrosa* in being fuscous instead of brownish; the medial line strongly angled outwards on vein 1; the discoidal

stigma Ξ -shaped, its leg joined to medial line; a marginal series of white points.

The Bhután specimen is fuscous, with the area between the antemedial and medial lines whitish, the whitish edging of the submarginal line only showing. The Khásis specimens are greyer, uniformly irrorated with fuscous.

Habitat.—Bhután (Dudgeon); Khásis. *Exp.* 20-22 mm. *Type.*—In British Museum.

2877a. CATADA FASCIATA, n. sp.

Forewing with vein 10 arising from 11. ♀. Pale red-brown; palpi with the first joint and the extremities of the second and third black; distal half of abdomen blackish. Forewing with traces of fine waved antemedial and medial lines; black specks in cell and on discocellulars; a broad postmedial red-brown band edged by black lines, angled inwards and obsolescent towards costa; some black points on costa towards apex; a short oblique black streak from apex ending in a black spot; a very prominent medial submarginal black spot sending a black fascia to extremity of cilia; a marginal series of points. Hindwing with medial red-brown band edged by waved black lines, the area beyond it irrorated and mostly suffused with black, with obscure crenulate submarginal line with blackish patch at middle, emitting a fascia to extremity of cilia. Underside fuscous except base of hindwing.

Habitat.—Khásis. *Exp.* 20 mm. *Type.*—In British Museum.

2883a. CATADA LOPHONOTA, n. sp.

Fore tibiae of male tufted with hair; abdomen with three dorsal tufts. Brown, strongly irrorated and suffused with black. Forewing with oblique slightly sinuous ochreous subbasal and antemedial lines defined by black lines on outer side; a diffused medial black line with prominent black discocellular lunule beyond it; a sinuous ochreous postmedial line defined by a black line on inner side, excurved at middle, and slightly angled at veins 6 and 4. Hindwing with medial black line; a postmedial nearly straight ochreous line defined by a black line on inner side; both wings with diffused irregular submarginal line; a marginal series of black lunules and fine ochreous line.

Habitat.—Khásis. *Exp.* 18 mm. *Type.*—In British Museum.

Genus PSEUDCRASPEDIA, nov.

Type.—*P. PUNCTATA*, Hampson.*Range*.—Sikhim.

Palpi upturned, the second joint smooth, slender, and reaching just above

*Pseudcraspedia punctata*,♀ $\frac{1}{2}$.

vertex of head, the third short and blunt; antennæ of female almost simple. Forewing narrow, the apex produced, and outer margin oblique; veins 3 and 4 shortly stalked; 5 from above angle; 7, 8, 9, 10 stalked; 11 from cell. Hindwing with veins 3 and 4 shortly stalked; 5 from near middle of discocellulars; 6 and 7 on a long stalk.

2886b. PSEUDCRASPEDIA PUNCTATA, n. sp.

♀. Grey-brown; palpi tinged with black. Forewing with six black spots on costa, which is whitish; a black spot below middle of cell, one beyond middle of discocellulars, another beyond upper angle and one on vein 1, these last three with the last costal spot forming an oblique postmedial series; basal and subbasal crimson spots on inner margin, and a crimson spot in cell. Hindwing with black and red spot near base of inner margin. Both wings with faint waved red medial, postmedial and submarginal lines, and a marginal series of black points.

Habitat.—Sikhim, 1,800 feet (Dudgeon). *Exp.* 14 mm. *Type*.—In British Museum.

2889a. OLULIS ABSIMILIS, n. sp.

♀. Head and thorax ochreous, mixed with dark brown; abdomen pinkish. Forewing ochreous irrorated with dark brown and fuscous; a fuscous patch on costa near base followed by a black speck; a very oblique antemedial dark line with some fuscous beyond its costal half; an indistinct black-edged attenuate reniform stigma; the postmedial line black-edged, minutely waved, excurved beyond cell and bent outwards to inner margin; a nearly straight submarginal line sinuous below vein 2; a prominent series of black points just inside the margin; a marginal brown line. Hindwing pink; a fine marginal brown line; cilia whitish; underside with discocellular point; oblique postmedial line and series of points just inside the margin.

Habitat.—Khâsis. *Exp.* 26 mm. *Type*.—In British Museum.

2889*b*. TALAPA CONFLUENS, n. sp.

Antennæ of male bipectinate. Dark brown, irrorated with blue-grey scales. Forewing with oblique antemedial dark line acutely angled below costa; a black discocellular lunule and traces of a medial line; two oblique postmedial lines filled in with rufous and converging towards inner margin, the outer line from near apex strong and defined outwardly by blue-grey; an indistinct minutely waved submarginal line obtusely angled at middle and with no blue-grey irroration between it and the postmedial line; a fine crenulate marginal line. Hindwing similar, the blue-grey irroration confined towards the anal angle; the double postmedial line obsolete towards costa.

Habitat.—Khâsis. *Exp.* 44 mm. *Type*.—In British Museum.

Genus PLUMIPALPIA, nov.

Type.—*P. LIGNICOLOR*, Humpson.

Range.—North-West Himalayas.

Palpi obliquely upturned, the second and third joints fringed with



Plumipalpia lignicolor, ♂ $\frac{1}{2}$.

long hair above, the second about three times the third, about the length of head; frons with conical tuft; antennæ of male bipectinate, the terminal portion simple; metathorax with tuft of scales. Forewing with raised tufts of scales, long and narrow, the apex rectangular; veins 8 and 9 anastomosing to form the areole. Hindwing with the outer margin obtusely angled at vein 2; vein 5 from near lower angle of cell, 3-4 and 5-6 from angles.

2894*a*. PLUMIPALPIA LIGNICOLOR, n. sp.

♂. Pale yellowish-brown; palpi blackish; patagia fringed with ferruginous. Forewing with the costal area suffused with purplish-brown; a tuft of raised black scales in middle of cell and another below origin of vein 2, with two short lines from it to inner margin; a few black scales on inner area, and an oblique submarginal fine ochreous streak defined by black below vein 2; a subapical black speck and marginal series of specks. Hindwing fuscous-brown, the cilia paler.

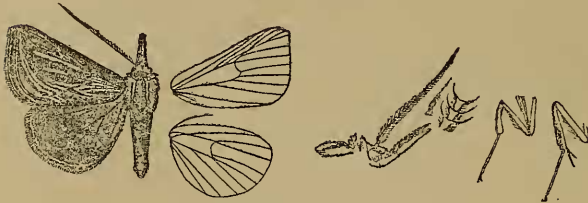
Habitat.—Kasauli, North-West Himalayas. *Exp.* 36 mm. *Type*.—In British Museum.

Genus SCHISTORHYNX, nov.

Type.—*S. ARGENTISTRIGA*, Hampson.

Range.—Assam.

Palpi oblique, the second joint moderate, the third twice its length,



Schistorhynx argentistriga, ♂ $\frac{1}{2}$.

the two joints fringed above with long hair to near apex of third joint and forming a fork with the apex; a sharp frontal

tuft; antennæ of male with bristles and cilia; thorax with dorsal tuft; forelegs with tuft of long hair from joint of coxa and femur; fore and hind tibiæ fringed with spinous hair. Forewing with the costa arched towards apex, which is somewhat produced, the outer margin rounded; veins 7 and 10 from the areole which is formed by 8 anastomosing with 9. Hindwing with veins 3-4 and 6-7 from angles of cell, 5 from just above angle.

2898b. *SCHISTORHYNX ARGENTISTRIGA*, n. sp.

Head and thorax purplish-grey; palpi black-brown at sides; collar fringed with black-brown; abdomen grey-brown. Forewing purplish-grey; costa brown to beyond middle; some fine brown streaks at base; a pale oblique antemedial striga from costa; a wedge-shaped olive-brown patch from near base of cell to the postmedial line, with yellowish-white streak in cell conjoined to another beyond the cell, a similar streak beyond lower angle, these streaks being defined by fine black lines; four lines curving from apex towards base of inner margin, the two outer ending at vein 2, the others with a yellowish-white streak above them at base of wing; two fine marginal lines, and a line through the cilia. Hindwing fuscous-brown, with indistinct pale postmedial band; underside pale, with discocellular lunule and waved postmedial and sub-marginal line.

Habitat.—Khâsis. *Exp.* 42 mm. *Type*.—In British Museum.

2904b. *MARAPANA COSTIPLAGATA*, n. sp.

♀. Dark purplish red-brown; palpi with the extreme tips white. Forewing with orange-red spots at base of costa and before middle, a

larger subtriangular postmedial patch, with three white specks beyond it ; an oblique double postmedial line from apex of the triangular patch to middle of inner margin of hindwing ; outer area of both wings paler red-brown, with a submarginal series of obscure fuscous marks, and series of black specks just inside the margin ; cilia purplish. Palpi with the third joint naked ; forewing with vein 10 from areole, the outer margin excised below apex.

Habitat.—Khásis. *Exp.* 34 mm. *Type.*—In British Museum.

2980a. *HYPENA OXYDATA*, n. sp.

♂. Differs from *H. glaucescens* in the forewing being tinged with greenish-grey, the outer area, except towards costa, bright rufous ; the antemedial line obscure and waved ; the postmedial line less prominent, obtusely angled below costa, then waved and defined with grey, more strongly towards inner margin. The palpi of these two species are oblique as in *H. rectilinea*, but with the second joint longer than the third.

Habitat.—Khásis. *Exp.* 34 mm. *Type.*—In British Museum.

2981a. *HYPENA DISSIMULANS*, n. sp.

♀. Forewing with the outer margin slightly angled at middle, the outer angle hooked. Greyish, suffused with pale red-brown. Forewing irrorated with dark brown and fuscous, black specks in cell and at upper angle, faint traces of an antemedial line angled below costa ; a postmedial line acutely angled below costa, then crenulate to vein 3, and with more or less developed black marks beyond it in the interspaces, then very oblique, and defined by a pale outer edge to inner margin ; submarginal and marginal series of black specks ; a black patch at the angle of margin sometimes developed. Hindwing fuscous.

Habitat.—Khásis. *Exp.* 24 mm. *Type.*—In British Museum.

2986a. *HYPENA IGNIARIA*, n. sp.

♀. Head, thorax, and abdomen leaden-fuscous ; the end of patagia, metathorax, and base of abdomen ochreous and fiery-red. Forewing with the costal area leaden-fuscous ; the basal half of wing ochreous, largely suffused with fiery-red ; a black speck in cell and another at lower angle ; a straight dark medial line, the area bounded by a crenulate yellowish-white line bent inwards below cell ; outer area leaden-fuscous, broadly suffused with red below the costal area ; some white specks on costa towards apex ; an irregularly waved double dark submarginal line with

some red on it; a marginal series of black specks. Hindwing similar, the yellowish-white line bounding the red area angled outwards at middle.

Habitat.—Khásis. *Exp.* 24 mm. *Type.*—In British Museum.

2986b. *HYPENA PERDRICIPENNIS*, n. sp.

♂. Head, thorax, and abdomen dark fuscous. Forewing purplish-grey, suffused and very thickly striated with dark brown; traces of an olive-yellow diffused antemedial line and a similar more distinct obliquely curved postmedial line, sometimes with indistinct series of spots beyond it in the interspaces; a diffused grey shade from apex of forewing to inner margin beyond middle. Hindwing dark fuscous; both wings with grey line at base of cilia. ♀. With the palpi as in Section I.

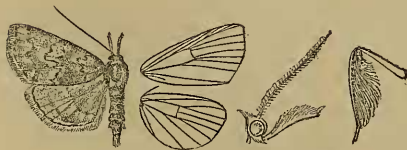
Habitat.—Khásis. *Exp.* 32 mm. *Type.*—In British Museum.

Genus *MIXOMELIA*, nov.

Type.—*M. DECIPIENS*, *Hampson*.

Range.—Assam.

Palpi obliquely upturned, the second joint curved forward, fringed



Mixomelia decipiens ♂¹.

with hair above, and about four times the length of head, the third minute; frons rounded; antennæ of male with bristles and cilia; fore tibiæ with a sheath containing masses of

flocculent hair covering almost the whole tarsus, abdomen with lateral tufts of hair. Forewing with vein 7 from cell, 8-9-10 stalked. Hindwing with veins 3-4 and 6-7 shortly stalked, 5 from near middle of discocellulars.

2991a. *MIXOMELIA DECIPIENS*, n. sp.

♂. Grey-brown; abdomen dark brown tinged with grey. Forewing with wavy antemedial line bent outwards from below costa to below cell; a diffused medial brown band from cell to inner margin; two discocellular black specks; a crenulate postmedial line excurved beyond cell; a crenulate submarginal line angled outwards at middle; the outer area suffused with brown except towards costa; a marginal series of black specks. Hindwing pale, suffused with fuscous beyond lower angle of cell; a sinuous medial line and submarginal line angled outwards to the margin at vein 2; a marginal line; underside grey

irrorated with brown ; a discocellular speck, medial and submarginal lines and marginal series of specks.

Habitat.—Khásis. *Exp.* 30 mm. *Type.*—In British Museum.

3003a. *CHUSARIS METERYTHRINA*, n. sp.

Forewing with vein 10 from the cell. ♂. Ochreous-brown, irrorated with fuscous. Forewing with faint traces of oblique antemedial line angled below costa ; two discocellular black spots ; an oblique postmedial line widening and diffused towards costa ; an indistinct slightly curved submarginal line ; a series of black points just inside the margin. Hindwing bright pink with diffused fuscous on inner margin ; cilia white.

Habitat.—Khásis. *Exp.* 24 mm. *Type.*—In British Museum.

EPIPLEMIDÆ.

3035. *DECETIA NUMICUSARIA*, insert var. *sinelinea*, Warr., Nov. Zool., iv, p. 24.

3040a. *EPIPLEMA ARCUATA*, Warr., Nov. Zool., iii, 3, p. 307.

Forewing with outer margin excised from apex to vein 6 and from 6 to 4 ; hindwing produced to a point at vein 7 and tail at vein 4. ♂. Dark red-brown ; wings thickly striated with dark brown. Forewing with slight dark discocellular mark ; a postmedial rufous line slightly angled at vein 6 and strongly at vein 4, defined by a pale line on outer side ; a fuscous marginal lunate mark, defined by a black line on inner side from below apex to vein 4. Hindwing with rufous fascia on median nervure ; a postmedial rufous line defined by a pale line on outer side, produced to an acute angle on vein 4, and with an ochreous patch beyond it from vein 4 to anal angle. ♀. Much paler brown.

Habitat.—Khásis. *Exp.* ♂ 26 ; ♀ 34 mm.

3041b. *EPIPLEMA RETRACTA*, n. sp.

♀. Differs from *E. tenebrosa* in the outline of forewing ; the costa and outer margin with ochreous specks ; the antemedial line nearer the base and strongly angled at middle ; the postmedial line defined by ochreous and much retracted to costa.

Habitat.—Sikhim (Dudgeon). *Exp.* 18 mm. *Type.*—In British Museum.

3044. *EPIPLEMA MOZA*, insert (syn.) *Epiplema flavigutta*, Warr., A. M. N. H., (6), xviii, p. 231.

3056a. *EPIPLEMA FULVATA*, Warr., Nov. Zool., iii, 3, p. 307.

♂. White; head and thorax tinged with yellow. Forewing with light brown striæ on costal and inner areas; dark antemedial and medial specks on costa; a large medial black spot above inner margin; an irregular ill-defined orange band from middle of costa to outer angle; orange marks on costa and a patch on outer margin below apex; a black subapical point. Hindwing with orange patch below base of cell; nearly the whole outer half of wing orange, reduced to striæ towards costa; two indistinct postmedial lines, black just below vein 4; a fulvous marginal line between the tails and black point below lower tail.

Habitat.—Khâsis. *Exp.* 16 mm.

3058. *EPIPLEMA BICAUDATA*, insert (syn.) *Epiplema fuscifrons*, Warr., Nov. Zool., iii, p. 348.

3060. *EPIPLEMA INSTABILATA*, insert var. *semifulva*, Warr., Nov. Zool., iv, p. 25.

3063d. *EPIPLEMA RUFIMARGO*, Warr., Nov. Zool., iii, p. 349.

Antennæ of male bipectinate. Differs from *E. bicaudata* in the whole outer area of both wings being evenly suffused with rufous without fuscous patches, but leaving slight white patches towards inner margin of each wing.

Habitat.—Sikhim. *Exp.* 26. mm.

3063e. *EPIPLEMA CLATHRATA*, Warr., Nov. Zool., iii, p. 347.

♂. Forewing with the outer margin indented below apex, excised to vein 3, the outer angle strongly hooked. Hindwing with the costa excised at middle, with tufts of scales before and after the excision; the outer margin produced to points at veins 3, 6, and 7; veins 4 and 5 absent; the inner area with a fold and tuft of hair. Grey-brown; frons black. Forewing with antemedial and postmedial pale lines, the former angled at middle, the latter excurved beyond cell, then incurved, black patches separated by the pale veins on outer side of former and inner side of latter; two brown subapical specks and a curved line on inner side of the excision. Hindwing with pale antemedial line, with a dark fascia from base to its very acute angle on vein 3; a black band interrupted by the pale veins on its outer edge; the postmedial pale line excurved at vein 3 and obsolete below 2, with a brown band on its inner side interrupted by the pale veins; a submarginal fine dark line between the tails and points above and below lower tail.

Habitat.—Khâsis. *Exp.* 20 mm.

3063*f*. *EPIPLEMA CASTANEA*, Warr., A. M. N. H., (6) xviii, p. 231.

Forewing with the outer margin produced to a point at vein 7, then deeply excised to vein 3; hindwing with the costa excised at middle, with tufts of hair before and after the sinus; the outer margin produced to a tail at vein 4 and points at veins 3 and 1*b*; veins 2, 5, 6, 7, the discocellulars, and upper margin of cell absent; a fold on inner area containing a tuft of long hair; antennæ laminate. ♂. Frons black; head, thorax, and abdomen dark grey; wings grey, with fine dark striæ. Forewing with a broad medial purple-brown band bounded by dark brown lines, the inner slightly angled on subcostal and median nervures, the outer angled on veins 7 and 3, then excised to vein 1; a dark brown marginal line at the sinus; some fuscous suffusion near outer angle. Hindwing with broad medial purple-brown band, bordered on inner side by an oblique brown line, on outer side by a line angled on vein 1*b*; some ferruginous suffusion on margin between veins 2 and 1*b*.

Habitat.—Khâsis. *Exp.* 28 mm.

3069*a*. *DIRADES HEPATICATA*, Warr., Nov. Zool., iii, p. 345.

♀. Dark purplish grey-brown. Forewing with pale medial line acutely angled at middle; an almost straight and erect postmedial line, the area between the two very dark brown; a subapical black speck and brown lines on margin and base of cilia. Hindwing with pale antemedial line angled at middle, and curved sinuous postmedial line defined by brown, the former on outer side, the latter on inner; some leaden suffusion near the lower tail, and a black and white speck below it; a fine leaden marginal line on a brown band.

Habitat.—Khâsis. *Exp.* 16 mm.

3069*b*. *DIRADES AMBIGUA*, Warr., A. M. N. H., (6), xviii, p. 230.

Hindwing of male with no fold and tuft of hair on inner margin or tufts on costa; the tails at veins 7 and 4 well developed; venation normal. ♂. Pale grey; frons black; wings irrorated with fuscous. Forewing with obscure almost medial line highly excurved below costa; the postmedial line more distinct and rufous, highly excurved between veins 7 and 3, then incurved to vein 1; a curved series of four submarginal black specks on fuscous suffusion below apex. Hindwing with obscure antemedial line; a sinuous postmedial line oblique from costa to vein 4; some rufous on margin, and a black speck at base of each tail. ♀. Darker grey.

Habitat.—Khásis. *Exp.* ♂ 20 ; ♀ 24 mm.

3073a. GATHYNIA PERNIGRATA, Warr., Nov. Zool., iii, p. 350.
(Pl. A, Fig. 24.)

♂. Hindwing with only one median nervule, veins 2, 4, and 5 being absent. Pale and dark brown, thickly irrorated and striated with black. Forewing with ground-colour of costal half pale, of inner half rufous ; some pale patches on costa ; oblique, sinuous, ante- and postmedial lines not reaching costa, rather near together, and with leaden grey suffusion between them ; a short oblique black subapical streak with black marks below it. Hindwing with the inner area white ; a white spot in cell ; traces of a curved black medial line ; a highly dentate submarginal line, with leaden grey suffusion beyond it from vein 7 towards anal angle.

Habitat.—Khásis ; Ceylon. *Exp.* 22-28 mm.

GEOMETRIDÆ.

3087a. URAPTERYX CONVERGENS, Warr., Nov. Zool., iv, p. 75.
(Pl. A, Fig. 14.)

♀. White. Forewing with fuscous blotches on basal part of costa ; a very oblique irregular subbasal blotch extending to middle of submedian interspace ; a fascia on basal three-fourths of vein 1 and another on inner margin ; an oblique band, conjoined to a discocellular patch which reaches costa, from costa before middle to outer angle, where it is joined by a postmedial band, a submarginal triangular band of conjoined spots ending below vein 2 ; a marginal band from below apex to vein 2. Hindwing with fuscous fasciæ on median nervure and vein 1, the former joined on vein 2 by an oblique medial band with spot below it ; a bisinuate postmedial line with fuscous specks beyond its costal portion ; a series of fine marginal spots ; cilia brown.

Habitat.—Simla. *Exp.* 54 mm.

3088. SIRINOPTERYX RUFIVINCTATA, insert var. *interfuscata*, Warr., Nov. Zool., iv, p. 122.

The interspaces of both wings suffused with fuscous, except below the cell and basal part of vein 2 of forewing and in and below cell of hindwing.

Genus SCHISTOPHYLE.

Schistophyle, Warr., Nov. Zool., iii, p. 101 (1896).

Range.—Assam.

Type.—S. FALCIFERA, Warren.

Palpi upturned, reaching above vertex of head, the second and third joints fringed with scales in front; antennæ of female simple. Forewing with the costa arched near base; the apex produced and acute; vein 3 from before angle of cell; 7, 8, 9 stalked from long before upper angle; 10 absent; 11 anastomosing with 12. Hindwing with vein 3 from well before angle of cell; 7 from before upper angle; 8 connected with 7 by an oblique bar.

3092a. SCHISTOPHYLE FALCIFERA, Warr., Nov. Zool., iii, p. 101.

♀. Yellowish-white, thickly irrorated with orange-red; abdomen dorsally suffused with fuscous on medial segments. Forewing with the costa red-brown, broadly so towards apex; an antemedial brown line very acutely angled below costa; both wings with discocellular brown point:



Schistophyle falcifera, ♀ $\frac{1}{2}$

a strong brown band from costa of forewing before apex to middle of inner margin of hindwing; a very highly crenulate submarginal line bent inwards below vein 3 of each wing; a strong marginal brown line.

Habitat.—Khâsis. *Exp.* 36 mm.

3103. TASTA MICACEATA, insert (syn.) *Tasta chalybeata*, Warr., Nov. Zool., iv, p. 76.

3108a. BAPTA PARTICOLOR, Warr., Nov. Zool. iii, p. 128.

♀. Forewing with vein 11 from cell, anastomosing with 12, then with 10, which anastomoses with 8-9. Red-brown; head, thorax and extremity of abdomen yellowish-white, basal part of abdomen with dark segmental lines. Forewing with large basal whitish patch irrorated with fuscous and defined by a purplish line angled below costa; a rounded apical whitish patch irrorated with fuscous and defined by a dark edge; the rest of wings lightly irrorated with fuscous. Cilia purplish; hindwing with small basal fuscous-irrorated whitish patch; a discocellular black speck; a crenulate purplish-fuscous postmedial line with fuscous-irrorated whitish patch beyond it from vein 6 to inner margin; a black marginal line.

Habitat.—Khâsis. *Exp.* 36 mm.

3119a. CABERODES RUFINERVIS, Warr., Nov. Zool., iii, p. 317.

♀. Orange-yellow; head, thorax, and abdomen tinged with red; collar edged with fuscous; wings thickly striated with red. Forewing with the base of costa fuscous; a curved fuscous antemedial line; both wings with a discocellular speck; a nearly straight oblique prominent postmedial line, slightly excurved at middle of hindwing; traces of a sinuous submarginal red line; a fine marginal crenulate line.

Habitat.—Khásis. *Exp.* 36 mm.

3120. CABERODES COSTALIS, insert var. *intensa*, Warr., Nov. Zool., iv, p. 120.

Without any of the pink tinge, and with more fuscous irroration.

3132. SCARDAMIA METALLARIA, insert (syn.) *Scardamia rectilinea*, Warr., Nov. Zool., iii, p. 127.

3135. STEGANIA STRIGATA, insert (syn.) *Chiasmia radiata*, Warr., Nov. Zool., iv, p. 82; *Chiasmia maculata*, Warr., Nov. Zool., iii, p. 137.

Var. whiter; forewing with the yellowish subbasal, ante- and postmedial lines more distinct; the dark marks reduced to some patches on costa and a discocellular spot, with a complete black band beyond it in a Sikhim specimen, reduced to spot on costa and band from vein 2 to inner margin in the type from Khásis; a dark marginal blotch or line below apex, and blotch near outer angle; hindwing with yellowish ante- and postmedial lines more distinct; the dark markings reduced to marginal marks near apex and anal angle.

3141a. *Stegania micans* is a synonym of HYPEPHYRA SUBANGULATA, Warr., Nov. Zool., iii, p. 319, and is a *Hypephyra*.

3142. STEGANIA LATIFASCIATA, insert var. *flavidior*, Warr., Nov. Zool., iii, p. 128.

The Khási form has the dark markings of forewing reduced, and the white band of hindwing broader.

3143. SYNEGIA IMITARIA, insert *Syntaracta maculosata*, Warr., Nov. Zool., iii, p. 129.

Var. with fuscous patches beyond the postmedial line from below apex of forewing to outer angle, and from below apex of hindwing to the postmedial line, then on it to inner margin.

3147. SYNEGIA LIDDERDALII, insert (syns.) *Parasynegia atomaria*, Warr., Nov. Zool., iii, p. 129. *Parasynegia convergens* and *Parasynegia nigriclavata*, Warr., Nov. Zool., iv, p. 79.

Var. *atomaria* = *convergens* is without any of the fuscous patches on fore- and hindwing, whilst *nigriculata* has small black spots on the ante- and postmedial lines, and an irregular black mark above middle of outer margin of each wing, with black point beyond it on cilia. Khásis.

3157a. HYPOCHROSIS CINEREA, Warr., Nov. Zool., iii, p. 320.

♂. Grey-brown; wings thickly striated with dark brown; forewing with the antemedial line indistinct, and represented by an oblique line from costa to subcostal, and line further from base from median nervure to inner margin; an irregular elliptical discocellular spot; an oblique line from apex to middle of inner margin of hindwing, slightly incurved below vein 4 of forewing and excurved below costa of hindwing; the area beyond it slightly more suffused with brown, especially towards inner margin of forewing.

Habitat.—Khásis. *Exp.* 32 mm.

3157b. HYPOCHROSIS INFORMIS, Warr., Nov. Zool., iv, p. 120.

♂. Pale chestnut, irrorated with fuscous; forewing with discoidal black point; traces of an oblique postmedial line curved below costa; a subapical white speck; hindwing with slightly curved medial line, blackish below vein 6, and with two pale spots beyond it between veins 2 and 4.

Habitat.—Chandkhira, Sylhet. *Exp.* 30 mm.

3162. PRIONIA *squalidaria*, insert RONDELARIA, Fabr., Ent. Syst., p. 623 (1775).

3175. ANONYCHIA GRISEA, insert (syns.) *Anonychia diversilinea*, Warr., Nov. Zool., iv, p. 101.

A brownish form with the lines defined by deep black, and *Anonychia pallida*, Warr., Nov. Zool., iv, p. 102.

3193. CORYMICA ARNEARIA, insert var. *brunnea*, Warr., Nov. Zool., iii, p. 143.

3197a. ILCRINIA SUFASCIATA, Warr., Nov. Zool., iii, p. 143.

♂. Antennæ bipectinate, with very short branches dilated at extremity; hind tibiæ dilated with fold and tuft; wings with the outer margin evenly curved; rufous, thickly irrorated with fuscous; palpi orange-red; forewing with traces of oblique rufous medial line; a postmedial fuscous line slightly curved below costa; traces of a waved submarginal line; hindwing with oblique medial line and traces of waved submarginal line; underside orange-red; the medial line of hindwing waved.

Habitat.—Khásis; Amboina. *Exp.* 42 mm.

3199c. EURYTAPHRIA PALLIDULA, Warr., Nov. Zool., iii, (3), p. 321.

♀. Pale yellow; head brownish; wings slightly irrorated and striated with brown; forewing more thickly striated on base of costal area and in cell; an indistinct antemedial line highly curved below costa, then obliquely sinuous; both wings with discocellular black spot; an olive-brown line from an oblique black striga at apex of forewing to middle of inner margin of hindwing, with large black spot above inner margin and angled below costa of hindwing; traces of a submarginal band of striæ; underside suffused with fuscous.

Habitat.—Sikhim. *Exp.* 40 mm.

3203a. XENOGRAPHIA DENTICULOSA, Warr., Nov. Zool., iii, p. 128.

♀. Head, thorax, and abdomen yellow and rufous; wing orange-yellow, thickly irrorated with rufous; forewing with white spot on median nervure at origin of vein 2; a black discocellular point; both wings with highly crenulate dark postmedial line, with fuscous-tinged band on its inner edge and some white specks on it; hindwing with the outer margin crenulate.

Habitat.—Khâsis. *Exp.* 44 mm.

3205a. SPILOPERA SUBCINEREA, Warr., Nov. Zool., iii, p. 139.

Forewing of male with fovea; both wing with the outer margin very slightly angled at vein 4; antennæ minutely serrate and fasciculated. ♂. Dark brown; wings irrorated with fuscous; forewing with the base and outer area slightly darker; an indistinct antemedial dark line angled below costa; a black discocellular spot; a medial line excurved round the cell; a minutely waved postmedial line excurved below costa; a dentate submarginal line with white speck on it at vein 4; hindwing with indistinct antemedial, minutely waved postmedial, and dentate submarginal line, the last with white speck at vein 4.

Habitat.—Khâsis. *Exp.* 30 mm.

3206a. SPILOPERA MACULIFERA, Warr., Nov. Zool., iii, p. 146.

♂. Red-brown; wings slightly suffused with grey and striated with black; both wings with discoidal black points and traces of crenulate submarginal line; forewing with fuscous submarginal patches below apex and above outer angle; cilia blackish from apex to vein 4; hindwing with dark rufous suffusion from vein 3 to anal angle.

Habitat.—Khâsis. *Exp.* 30 mm.

3212a. *SPILOPERA ANGULATA*, Warr., Nov. Zool., iii, p. 139.

Antennæ of male bipectinate; hind tibiæ dilated with fold and tuft; forewing with fovea; veins 7, 8, 9, 10 stalked, 11 free; outer margin angled at vein 4; hindwing with the outer margin crenulate and produced to points at veins 4 and 6; frenulum apparently absent. Ochreous-white, irrorated with red-brown; forewing with ill-defined oblique rufous antemedial, medial, and postmedial lines, the first angled below costa, the last with a broad area of dark suffusion beyond it; a dark discoidal point and marginal series of points; hindwing with discoidal point; rufous ante- and postmedial lines; outer area suffused with rufous; a marginal series of dark points.

Habitat.—Khâsis. *Exp.* 28 mm.

P. 194. Under *Rhynchobapta*, insert (syn.) *Phanauta*, Warr., Nov. Zool., iii, p. 147 (1896).

3218. *RHYNCHOBAPTA FLAVICEPS*, insert (syn.) *Nadagara diversilineata*, Warr., Nov. Zool., iii, p. 143.

3218b. *RHYNCHOBAPTA EBURNIVENA*, Warr., Nov. Zool., iii, p. 147.

♀. Ochreous-white, thickly irrorated and striated with brown; wings with black discoidal points; an oblique dark line defined by white on outer side, and with slight brown suffusion on inner side, from costa of forewing near apex to middle of inner margin of hindwing; the veins whitish; cilia whitish, with a fuscous line through them; hindwing with the margin highly crenulate as well as angled at vein 4.

Habitat.—Khâsis. *Exp.* 42 mm.

P. 201. Under *Macaria*, insert (syn.) *Chiasmiodes*, Warr., Nov. Zool., iii, p. 138 (1896).

3239. *MACARIA ODATARIA*, insert (syn.) *Gonodela ruptifascia*, Warr., Nov. Zool., iii, p. 139.

A form with the double postmedial line less distinct, especially on hindwing, the maculate marks on it more prominent; the outer area greyer.

3241. *MACARIA MYANDARIA*, insert (syn.) *Gonodela olivescens*, Warr., Nov. Zool., iii, p. 408.

3245. *MACARIA FIDONIATA*, insert (syn.) *Peridela triumbrata*, Warr., Nov. Zool., iv, p. 111. Penang.

3245a. *MACARIA VARIOLINEA*, Warr., Nov. Zool., iii, p. 138.

♂. White, variegated with olive-yellow and brown; wings striated with fuscous. Forewing with the veins fulvous; an antemedial curved blackish line; a discocellular black spot; a medial line very strongly bent outwards round the cell; a postmedial line acutely angled below costa; an oblique streak from below apex, and another above outer angle. Hindwing with the veins fulvous; medial and postmedial nearly straight blackish lines; both wings with marginal line.

Habitat.—Khásis. *Exp.* 24 mm.

3248. *MACARIA ACUTARIA*, insert var. *olivata*, Warr., Nov. Zool., iii, p. 407.

3249. *MACARIA TEMERARIA*, insert var. *fumosa*, Warr., Nov. Zool., iii, p. 320.

A grey-brown form, with the outer area of forewing suffused with fuscous.

3250. *MACARIA OLIVA*, insert (syns.) *Semiothisa brunneata*, Warr., Nov. Zool., iii, p. 140; *Semiothisa maculosata*, Warr., Nov. Zool., iii, p. 141; and *Semiothisa pennumbrata*, Warr., Nov. Zool., iii, p. 141.

The form *brunneata*=*maculosata* has the medial line of hindwing slightly curved and sinuous, whilst *pennumbrata* is much greyer. Forewing with a dark band on postmedial line from costa to the dark mark below costa. Hindwing with the medial line curved and strongly dentate.

3279. *HYPERYTHRA LUTEA*, insert (syn.) *Hyperythra rufifimbria*, Warr., Nov. Zool., iii, p. 140.

A variety with the wings entirely suffused with red and fuscous, leaving the cilia red and the inner margin of hindwing yellow.

3291. *PERICALLIA LUGENS*, insert (syn.) var. *castanea*, Warr., Nov. Zool., iii, p. 320.

3298a. *FASCELLINA FUSCOVIRIDIS*, Warr., Nov. Zool., iii, p. 320.

♂. Differs from *F. plagiata* in the basal area of forewing being suffused with red-brown and striated with dark brown; a highly waved leaden-coloured line beyond the postmedial line. Hindwing with the medial line finer and less oblique. Underside irrorated and striated with brown; forewing with sinuous medial red-brown line; the postmedial line outwardly defined by white, increasing towards costa; hindwing with the medial line obsolescent.

Habitat.—Khásis. *Exp.* 38 mm.

P. 231. Under **Crocallis**, insert (syn.) *Ctenoctenucha*, Warr., Nov. Zool., iv, p. 114 (1897).

3315. **CROCALLIS LENTIGINOSARIA**, insert (syn.) *Ctenoctenucha imitata*, Warr., Nov. Zool., iv, p. 115.

P. 233. Under **Garceus**, insert *Drapetopsis*, Warr., Nov. Zool., ii, p. 144 (1896), for Sect. ii.

3322. **GARCEUS COLORATUS**, insert (syn.) *Hygrochroa albipuncta*, Warr., Nov. Zool., iii, p. 145; and *Hygrochroa amethystina*, Warr., Nov. Zool., iii, p. 146.

3326. **GARCEUS ARGILLACEUS**, insert (syn.) *Drapetopsis ferrugata*, Warr., Nov. Zool., iii, p. 145, for the Khási form.

P. 236. Under **Heteromiza**, insert *Polyscia*, Warr., Nov. Zool., iii, p. 147, for Sect. ii.

3331a. **HETEROMIZA OCHRILINEA**, Warr., Nov. Zool., iii, p. 148.

♂. Olive-yellow; abdomen pinkish at extremity; fore and hind tibiæ and tarsi with fine black lines; wings sparsely irrorated with fuscous. Forewing with indistinct very oblique antemedial line angled below costa; a strong black line arising from a pink spot at apex of forewing and ending on middle of inner margin of hindwing; a very indistinct submarginal line.

Habitat.—Khásis. *Exp.* 38 mm.

3333a. **DALMA GIGANTEA**, Swinh., A. M. N. H., (6), xix, p. 166.

Forewing with two excisions in outer margin below apex. ♀. Ochreous, irrorated with black. Forewing with black striæ on costal area; a diffused rufous antemedial band not reaching costa; a black discoidal spot; a medial rufous line obtusely angled below costa, its angle crossed by a short band; a diffused patch beyond it on inner area; an obscure waved postmedial line with the area beyond it rufous, leaving ochreous submarginal patches at apex and middle. Hindwing with fuscous antemedial line slightly angled below costa; the outer half rufous, with postmedial and submarginal series of slight ochreous patches.

Habitat.—Jaintia Hills. *Exp.* 108 mm.

3371. **GNOPHUS EOLARIUS**, insert (syn.) var. *fuscobrunnea*, Warr., Nov. Zool., iii, p. 318.

P. 257. Under **Boarmia**, insert *Diphurodes*, Warr., Nov. Zool., iii, p. 132 (1896), and *Enautioides*, Warr., Nov. Zool., iii, p. 133.

3380. *BOARMIA CONSPURCATA*, insert (syn.) *Enautioides stellifera*, Warr., Nov. Zool., iii, p. 133.

3394. *BOARMIA BOARMIARIA*, insert var. *sordida*, Warr., Nov. Zool., iii, p. 137, with all the markings almost obsolete.

3394a. *Boarmia covemiaria*, insert *DIPHURODES VESTITA*, Warr., Nov. Zool., iii, p. 132, which has precedence. Sikhim ; Khásis.

3394b. *BOARMIA HARMONICA*, n. sp.

♂. Head and thorax brown, mottled with black ; abdomen fuscous, irrorated with grey ; the base brown, followed by a black line, then two pairs of black spots. Forewing clothed with dark red-brown, black, olive, and grey scales ; traces of a waved antemedial black line ; a postmedial dentate oblique line excurved beyond cell ; a submarginal dentate white line with three white spots on it below middle ; a marginal series of black points. Hindwing with curved sinuous postmedial black line ; a submarginal black line angled outwards in discal and submedian folds, incurved, and with some white on its outer edge between those points ; a marginal series of black striæ. Underside of forewing with black spot in cell and prominent discocellular spot ; hindwing with discocellular spot, and spot on costa above it ; outer area of both wings reddish-fuscous.

Habitat.—Puttalam, Ceylon (J. Pole). *Exp.* 36 mm. *Type*.—In British Museum.

3399a. *BOARMIA SUBOCHREA*, Warr., Nov. Zool., iii, p. 136.

♂. Grey-brown, thickly irrorated and suffused with brown ; abdomen with white line at base. Forewing with indistinct dark sinuous antemedial and medial lines ; a black discoidal speck ; a sinuous postmedial series of black specks approaching the medial line at inner margin, and with a dentate olive line just beyond it ; a dentate submarginal grey line with fuscous patches on its inner edge ; a marginal series of black specks. Hindwing with indistinct antemedial black line ; discoidal speck ; medial series of black specks, with a dentated olive line beyond them ; a submarginal dentate grey line with fuscous patches on its inner edge ; a marginal series of black specks. Underside orange-yellow irrorated with fuscous ; a broad fuscous marginal band with yellow spot at apex of forewing, and becoming obsolescent towards anal angle of hindwing.

Habitat.—Khásis. *Exp.* 34 mm.

3399b. *BOARMIA RUFARIA*, Warr., Nov. Zool., iii, p. 136.

♂. Bright rufous, irrorated with black; abdomen with white line at base. Forewing with whitish ante- and postmedial lines, the latter oblique, minutely waved and incurved below vein 2, the area between them blackish; a dentate grey submarginal line with fuscous suffusion on its inner edge; a marginal series of black specks. Hindwing with discoidal point; an indistinct medial dark line and obscure diffused submarginal shade; a marginal series of black striæ. Underside pale, with broad fuscous shade on outer area diffused in places to the margin.

Habitat.—Khâsis. *Exp.* 34 mm.

3400a. *BOARMIA SERRATILINEA*, Warr., Nov. Zool., iii, p. 318.

Grey, thickly irrorated with brown scales; palpi black, except at tip; abdomen with paired black points on second and third segments. Forewing with waved antemedial line; both wings with discoidal point and waved medial lines; highly crenulate postmedial line and minutely dentate white submarginal line defined on inner side by a dark line; a crenulate dark marginal line. Underside slightly suffused with fuscous.

Habitat.—Khâsis. *Exp.* ♂ 32, ♀ 38 mm.

3412. *BOARMIA SEMICLARATA*, insert var. *fasciata*, Warr., Nov. Zool., iii, p. 405.

3413. *BOARMIA ATROSTIPATA*, insert (syn.) *Pæcillacis deceptrix*, Warr., Nov. Zool., iii, p. 319.

A form with the first band slightly angled below costa.

3419. *BOARMIA CINERACEA*, insert var. *subalbida*, Warr., Nov. Zool., iii, p. 403.

3434. *BOARMIA GRANITARIA*, insert (syn.) *Scotopteryx squamosa*, Warr., Nov. Zool., iii, p. 318.

3429a. *BOARMIA SQUAMOSA*, Warr., Nov. Zool., iii, p. 131.

♂. (Hind tibiæ wanting). Fuscous-brown, thickly irrorated with black; wings irrorated with small iridescent scales. Forewing with indistinct waved antemedial and medial lines, the latter with blackish discoidal spot on it; an oblique series of black postmedial specks, curved below costa; a dentate grey submarginal line, with some fuscous patches and a dull rufous spot on its inner side below costa, and a white spot above inner margin. Hindwing with indistinct black ante-

medial line ; a black discoidal spot ; a postmedial series of black points ; a submarginal series of obscure black and white points.

Habitat.—Khásis. *Exp.* 30 mm.

3429b. BOARMIA ORBIFER, Warr., Nov. Zool., iii, p. 131.

♂. (Hind tibiæ wanting.) Pale brown with a reddish tinge ; head, thorax, and abdomen suffused with fuscous ; wings irrorated with fuscous. Forewing with black suffusion on costal area, widest before apex ; an obscure medial line angled at lower angle of cell ; an oblique postmedial series of black specks ; a dentate whitish submarginal line ; a marginal series of black points. Hindwing with diffused black antemedial line ; a black discoidal spot ; a postmedial line highly excurved beyond cell, then bent inwards to near the antemedial line ; a dentate white submarginal line with fuscous patches on it towards apex and anal angle ; a marginal series of black points.

Habitat.—Khásis. *Exp.* 26 mm.

3429c. BOARMIA MINIMA, Warr., Nov. Zool., iii, p. 132.

♂. (Hind tibiæ wanting.) Pale brown, irrorated with black and almost entirely suffused with fuscous. Forewing with the base and costa brown, the latter with series of black striæ ; traces of an antemedial line angled below costa ; a discoidal lunule ; a postmedial line obtusely angled at vein 6, and with a pale rufous patch beyond it above the angle ; traces of a submarginal waved line ; a marginal series of black points. Hindwing with obscure antemedial line ; a discoidal lunule ; a dentate whitish postmedial line with rufous patch beyond it between vein 2 and inner margin.

Habitat.—Khásis. *Exp.* 26 mm.

3441a. BOARMIA SERPENTINARIA, Warr., Nov. Zool., iii, p. 134.

Pale red-brown ; palpi, frons, and collar marked with darker brown ; metathorax and abdomen banded with fuscous. Forewing with the antemedial line double, black, with two very deep and acute sinuations between costa and median nervure, then extremely oblique, and with its inner part red-brown to inner margin near base ; a discocellular black speck ; a diffused pale olive fascia in and beyond the cell ; a very oblique pale rufous line from below apex to middle of inner margin ; a postmedial series of black specks on the veins, angled inwards below costa and outwards on vein 6, then very oblique ; the outer area more rufous, with traces of waved submarginal line and olive and fuscous

patch near outer angle. Hindwing much more striated; a black discocellular speck; an oblique rufous medial band; a fine crenulate black postmedial line with rufous band beyond it, partially conjoined to a submarginal rufous band.

Habitat.—Khâsis. *Exp.* 54 mm.

3441b. *BOARMIA COSTISTRIGATA*, Warr., Nov. Zool., iii, p. 134.

♂. Differs from *B. serpentaria* in the ground-colour being ochreous. Forewing with the costa suffused with fuscous and brown; the lines pale rufous, the strong dentitions of the ante- and postmedial lines on the costal area black; the area beyond the postmedial line tinged with olive; a whitish mark on margin at the angle at vein 4, with a diffused rufous band from it to inner margin. Hindwing with the lines and striæ on basal two-thirds olive; the postmedial line nearly straight, the area beyond it olive with black striæ; a diffused submarginal rufous line.

Habitat.—Khâsis. *Exp.* 52 mm.

3441c. *BOARMIA TRILINEATA*, Warr., Nov. Zool., iii, p. 135.

♂. Differs from *B. serpentaria* in the wings being yellower; the medial rufous line stronger; a bright fulvous oblique line from outer margin below apex to inner margin beyond middle, with black marks beyond it near outer margin and above inner margin. Hindwing with the medial line less oblique; a postmedial straight line with some grey beyond it, beyond which is a yellow line angled outwards to the margin above middle.

Habitat.—Khâsis. *Exp.* 40 mm.

3444a. *BOARMIA OCHRICOSTATA*, n. sp.

Forewing with vein 11 anastomosing with 10, which arises from 7, 8, 9. Hindwing with tuft of hair on inner margin; abdomen with tufts of hair below. ♂. Head blackish; thorax and first segment of abdomen grey, the rest blackish, grey towards extremity; wings blackish, with broad grey fuscous-irrorated fascia from base of hindwing along costa of forewing, with an oblique fuscous bar on it near apex; forewing with antemedial line curved and reduced to specks on the grey costal area, then oblique; a postmedial line curved and reduced to specks on the grey fascia, then very oblique to lower angle of cell, then waved, and on hindwing very indistinct; an indistinct waved grey submarginal line.

Habitat.—Khâsis. *Exp.* 34 mm. *Type.*—In British Museum.

3445. BOARMIA DENTILINEA, insert var. *pulverosa*, Warr., Nov. Zool., iii, p. 403.

3448a. BOARMIA FLAVISECTA, n. n.

Prochasma minima, Warr., Nov. Zool., iv, p. 81 (preocc.).

Whitish, tinged with yellow and irrorated and suffused with black. Forewing strongly suffused and irrorated with black; a yellow fascia from base along median nervure and vein 4 to outer margin; a narrow white antemedial slightly curved band; a similar postmedial band slightly incurved below vein 2, and with a series of black points on its inner edge; a black discocellular spot; an obscure waved submarginal white line; a marginal series of black points. Hindwing with the inner and outer area striated with black; a discoidal black spot with line from just beyond it to inner margin; a fuscous blotch below apex; a marginal series of black points.

Habitat.—Khásis. *Exp.* 24 mm.

3451a. BOARMIA CONJUNCTIVA, Warr., Nov. Zool., iii, p. 136.

♀. Pale reddish-brown suffused with dark red-brown and irrorated with black. Forewing with indistinct irregularly sinuous antemedial black line with a mark before it on inner margin; traces of a medial line; a postmedial waved line incurved and connected by a streak, with the antemedial line below vein 2, the three lines arising from black spots on the costa; a diffused black streak beyond the postmedial line above vein 5; traces of a submarginal line, with some pale points and a diffused fuscous patch beyond it below apex. Hindwing with ante- and postmedial fuscous lines; a discoidal point; traces of a submarginal series of points and a marginal series.

Habitat.—Khásis. *Exp.* 42 mm.

3474. MEDASINA MUCIDARIA, insert (syn.) *Lassaba tephosiaria*, Warr., Nov. Zool., iii, p. 135.

3487a. MEDASINA RETICULATA, insert (syd.) *Sinameda intricata*, Warr., Nov. Zool., iii, p. 137.

3547. PERCNIA BELLUARIA, insert (syn.) *Percnia longimacula*, Warr., Nov. Zool., iv, p. 89.

3583. RAMBARA LUMINARIA, insert (syn.) *Rambara costalis*, Warr., Nov. Zool., iii, p. 101.

(To be continued.)